

ABSTRACT OF THE DISCLOSURE

5 Hydrodynamic-Force-Responsive Baffle For Liquid Treatment Basin, Blank
For Making The Baffle, and Methods of Releasing Hydrodynamic Forces-

A baffle controls the normal process flow of liquid in basins of liquid treatment
equipment, but releases uncontrolled flow of the liquid caused by events such as seismic
10 events. Methods provide an unbent blank for making such baffle with a hinge member to
facilitate the release of the uncontrolled flow. Further methods provide for mounting of the
baffle for movement, urging the baffle for the control of the normal process flow, and
allowing the uncontrolled flow to overcome the urging and release the uncontrolled flow.
Baffle embodiments may be made from exemplary materials such as stainless steel, glass
15 fiber reinforced polyester, pultruded FRP, and redwood.